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Nota di contenuto	Intro -- CAPACITORS: THEORY, TYPES AND APPLICATIONS -- CAPACITORS: THEORY, TYPES AND APPLICATIONS -- CONTENTS -- PREFACE -- Chapter 1 THE ROLE OF CAPACITORS AND CAPACITANCE WITHIN PLASMA PROCESSING -- Abstract -- 1. Filter Construction Design Rules -- 2. The BatLaw Diplexer -- 3. Instrumentation Chebyshev Filters -- 3.1. Chebyshev Filter Responses -- 3.2. Chebyshev Filter Design -- 4. Capacitive Plasma-Tool Impedance -- 5. Matching Networks -- 5.1. L-Type Matching Network (Worked Example) -- 5.2. Pi-Type Matching Network (Descriptive) -- 5.3. T-Type Matching Networks (Descriptive) -- 5.4. Summary -- 6. Suppression of Noise within an external RF Power Circuits -- 7. Frequency Pulling -- Conclusions -- Acknowledgments -- References -- Chapter 2 VOLTAGE STABILIZATION USING A STORAGE CAPACITOR -- Abstract -- Introduction -- 1. Grounds -- 2. Analysis of the Functional Circuit -- 3. Experiment -- Conclusion -- References -- Chapter 3 IDEAL AND REAL CAPACITORS: HOW THEIR BEHAVIOUR AFFECT ENERGY EFFICIENCIES -- Abstract -- Introduction -- DC Circuits -- AC Circuits -- Conclusion -- Appendix A -- References -- Chapter 4 AC BRIDGE CIRCUITRY FOR THE CAPACITIVE POSITION SENSOR IN THE SUPERCONDUCTING LINEAR MOTOR SYSTEM -- Abstract -- 1. Introduction -- 2. Capacitive Position Sensor -- 3. Trial Circuits for the Capacitive Position Sensor -- 3.1. Capacitance Bridge and Lock-in Amplifier for Monitoring the Motion of the Armature -- 3.2. 555

Oscillator for Monitoring the Motion of the Armature -- 3.3. Q-meter for Monitoring the Motion of the Armature -- 4.
The AC Bridge Circuits for Monitoring the Motion of the Armature -- 4.1.
The AC Bridge Circuitry Setup -- 4.2. Calibration Curve at 4.2K and Performance of the Position Sensor -- 4.3.
Testing the Capacitive Position Sensor in the Experimental Cell at Liquid Helium Temperature -- 5. Conclusion -- Acknowledgments -- References.

Chapter 5 PHYSICAL AND ELECTROCHEMICAL PROPERTIES OF QUATERNARY AMMONIUM SALTS BASED ON HALOGEN-FREE CHELATOBORATE ANIONS AND THEIR APPLICATION TO ELECTRIC DOUBLE-LAYER CAPACITORS -- Abstract -- 1. Introduction -- 2. Experimental -- 2.1. Reagents -- 2.2. Apparatus and Measurements -- 3. Results and Discussion -- 3.1. Thermal Analysis -- 3.2. Electrolytic Properties -- 3.2.1. Temperature Dependence -- 3.2.2. Concentration Dependence -- 3.3. Electrochemical Stability -- 3.4. Cyclic Voltammetry -- 3.5. Charge and Discharge Characteristics of Three-Electrode Measurement Cells -- 3.6. Performance of 2025-Type Coin Cells -- 3.6.1. Charge-Discharge Characteristics -- 3.6.2. Rate Capability -- 3.7. Comparison of Gravimetric Capacitances -- 3.8. Theoretical Treatment of Cell Voltage-Time Behavior Resulting from a Current Step -- Conclusion -- References -- INDEX.
